

Name: _____
PC: Solving Rational Equations Graphically Homework

Date: _____
Ms. Loughran

Solve each of the following equation graphically by doing each of the following:

- (a) Draw a complete graph of the function showing all intercepts and asymptotes.
- (b) Write the window settings you use on your graph.
- (c) Find the solution set.

1. $\frac{x^2 - 4}{x + 1} = 0$

3. $1 = \frac{2}{x - 3}$

2. $4 = -\frac{5}{x^2 + 2}$

4. $\frac{x^3 - 8}{x^2 + 1} = 0$